Problem 1:

1. Find a meaningful regression (data fitting) problem in daily life, and

use MATLAB to solve this problem.

2.      The PPT requires the following content:

      -  Problem definition & importance of the problem.

      -  Basic principle of the regression problem.

      - MATLAB code.

      - Results of the regression problem

Problem 2:

1. Find a useful transient response problem of a AC circuit, and use MATLAB to solve this problem. (the differential order must be larger than 5)

2.      The PPT requires the following content:

      -  Problem definition of the problem.

      -  Basic principle of the technique.

      - MATLAB code.

      - plot the results of the problem